

L4 ANSWER 1 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 AN 1994:532148 BIOSIS  
 DN PREV199497545148  
 TI Mutation of p53 gene in human **cancers** of the esophagus and gastric cardia.  
 AU Li, Huan-Chuan; Lu, Shi-Xin  
 CS Cancer Inst., Chinese Academy Med. Sci. Peking Union Med. College, Beijing 100021 China  
 SO Zhonghua Zhongliu Zazhi (1994) Vol. 16, No. 3, pp. 172-176.  
 ISSN: 0253-3758.  
 DT Article  
 LA Chinese  
 SL Chinese; English  
 AB p53 gene in human esophageal **cancer** (EC) and **cancer** of gastric cardia was analyzed. Southern blotting hybridization revealed that five of 35 of EC sample were found to contain abnormal structure of **p63** gene, including 2 deletions and 3 rearrangements; two of 27 adjacent non-tumor tissues also contain abnormal structure of p53 gene (7.4%), among them one case was fragment deletion and another case was rearrangement. PCR-direct sequencing technique was used to detect p53 point mutation within exon and intron 5 through 9. Fifteen of 30(50%) of esophageal squamous cell carcinomas contained mutation of p53 gene. Five of 11(45%) adjacent non-tumor tissues also contained mutation of p53 gene. An esophageal adenocarcinoma showed p53 mutation. Three of 4 carcinoma of gastric cardia showed p53 mutation. Mutation spectrum in EC: 8 OF 22 cases (36.4%) of p53 mutation were G:C to A:T transition, 6 of 22 cases (27.3%) of p53 mutation were frameshift mutation, including 13.6% (3/22) insertion and 9.1% (2/22) deletion mutation. Some new sites of p53 mutation in human EC were identified. The results suggest that the p53 gene plays an important role in carcinogenesis of human esophagus and gastric cardia.  
 CC Cytology and Cytochemistry - Human \*02508  
 Genetics and Cytogenetics - Human \*03508  
 Clinical Biochemistry; General Methods and Applications \*10006  
 Biochemical Studies - Nucleic Acids, Purines and Pyrimidines 10062  
 Biochemical Studies - Proteins, Peptides and Amino Acids 10064  
 Digestive System - Pathology \*14006  
 Blood, Blood-Forming Organs and Body Fluids - Blood Cell Studies \*15004  
 Neoplasms and Neoplastic Agents - Biochemistry \*24006  
 Neoplasms and Neoplastic Agents - Carcinogens and Carcinogenesis \*24007  
 BC Hominidae \*86215  
 IT Major Concepts  
 Blood and Lymphatics (Transport and Circulation); Cell Biology;  
 Clinical Chemistry (Allied Medical Sciences); Gastroenterology (Human Medicine, Medical Sciences); Genetics; Oncology (Human Medicine, Medical Sciences)  
 IT Miscellaneous Descriptors  
 ADENOCARCINOMA; ADJACENT NON-TUMOR TISSUE; CARCINOGENESIS; ESOPHAGEAL **CANCER**; FRAMESHIFT MUTATION; GENE DELETION; GENE REARRANGEMENT; INSERTION MUTATION; POLYMERASE CHAIN REACTION; SQUAMOUS CELL CARCINOMA; TRANSITION MUTATION; TUMOR SUPPRESSOR GENE  
 ORGN Super Taxa  
 Hominidae: Primates, Mammalia, Vertebrata, Chordata, Animalia  
 ORGN Organism Name  
 Hominidae (Hominidae)  
 ORGN Organism Superterms  
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 SO Zhonghua Zhongliu Zazhi (1994) Vol. 16, No. 3, pp. 172-176. ISSN: 0253-3758.  
 DT Article  
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 SL Chinese; English  
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 Genetics and Cytogenetics - Human \*03508  
 Clinical Biochemistry; General Methods and Applications \*10006  
 Biochemical Studies - Nucleic Acids, Purines and Pyrimidines 10062  
 Biochemical Studies - Proteins, Peptides and Amino Acids 10064  
 Digestive System - Pathology \*14006  
 Blood, Blood-Forming Organs and Body Fluids - Blood Cell Studies \*15004  
 Neoplasms and Neoplastic Agents - Biochemistry \*24006  
 Neoplasms and Neoplastic Agents - Carcinogens and Carcinogenesis \*24007  
 BC Hominidae \*86215  
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 Clinical Chemistry (Allied Medical Sciences); Gastroenterology (Human Medicine, Medical Sciences); Genetics; Oncology (Human Medicine, Medical Sciences)  
 IT Miscellaneous Descriptors  
 ADENOCARCINOMA; ADJACENT NON-TUMOR TISSUE; CARCINOGENESIS; ESOPHAGEAL **CANCER**; FRAMESHIFT MUTATION; GENE DELETION; GENE REARRANGEMENT; INSERTION MUTATION; POLYMERASE CHAIN REACTION; SQUAMOUS CELL CARCINOMA; TRANSITION MUTATION; TUMOR SUPPRESSOR GENE  
 ORGN Super Taxa  
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 ORGN Organism Name  
 Hominidae (Hominidae)  
 ORGN Organism Superterms  
 animals; chordates; humans; mammals; primates; vertebrates

L7 ANSWER 1 OF 39 MEDLINE  
AN 2002038003 MEDLINE  
DN 21606643 Pubmed ID: 11764070  
TI Value of **p63** and cytoheratin 5/6 as immunohistochemical markers for the differential **diagnosis** of poorly differentiated and undifferentiated **carcinomas**.  
AU Kaufmann O; Fietze E; Mengs J; Dietel M  
CS Institute of Pathology, Charité University Hospital, Berlin, Germany.  
SO AMERICAN JOURNAL OF CLINICAL PATHOLOGY. (2001 Dec) 116 (6) 823-30.  
Journal code: 0370470. ISSN: 0002-9173.  
CY United States  
DT (EVALUATION STUDIES)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200201  
ED Entered STN: 20020124  
Last Updated on STN: 20020125  
Entered Medline: 20020103

L7 ANSWER 2 OF 39 MEDLINE  
AN 2001553651 MEDLINE  
DN 21486168 Pubmed ID: 11600462  
TI Expression of the p53 homologue p63alpha and Delta p63alpha in the neoplastic sequence of Barrett's oesophagus: correlation with morphology and p53 protein.  
AU Hall P A; Woodman A C; Campbell S J; Shepherd H A  
CS Department of Histopathology, Gloucestershire Royal Hospital, Great Western Road, Gloucester GL1 3NN, UK.  
SO GUT. (2001 Nov) 49 (5) 618-23.  
Journal code: 29851088. ISSN: 0017-5749.  
CY England; United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200112  
ED Entered STN: 20011016  
Last Updated on STN: 20020122  
Entered Medline: 20011205

L7 ANSWER 3 OF 39 MEDLINE  
AN 2001427028 MEDLINE  
DN 21367355 Pubmed ID: 11474290  
TI **p63**, a p53 homologue, is a selective nuclear marker of myoepithelial cells of the human breast.  
AU Barbareschi M; Recanatini L; Cangi M G; Macri E; Rizzo A; Viale G; Doglioni C  
CS Department of Pathology, San Martino Hospital, Trento, Italy.  
SO AMERICAN JOURNAL OF SURGICAL PATHOLOGY. (2001 Aug) 25 (8) 1054-60.  
Journal code: 3YV; 7707904. ISSN: 0147-5185.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200108  
ED Entered STN: 20010820  
Last Updated on STN: 20010820  
Entered Medline: 20010816

L7 ANSWER 4 OF 39 MEDLINE  
AN 2001346075 MEDLINE  
DN 21275530 Pubmed ID: 11381365  
TI Histologic and immunohistochemical classification of cervical **carcinomas** by expression of the p53 homologue **p63**: a

study of 250 cases.  
AU Wang T Y; Chen B F; Yang Y C; Chen H; Wang Y; Cviko A; Quade B J; Sun D; Yang A; McKen F D; Crum C P  
CS Department of Pathology and Obstetrics and Gynecology, Mackay Memorial Hospital, Taipei, Taiwan.  
NC CA72594 (NCI)  
SO HUMAN PATHOLOGY. (2001 May) 32 (5) 479-86.  
Journal code: GEC; 9421547. ISSN: 0046-8177.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200107  
ED Entered STN: 20010709  
Last Updated on STN: 20010709  
Entered Medline: 20010705

L7 ANSWER 5 OF 39 MEDLINE  
AN 2001254912 MEDLINE  
DN 21251212 Pubmed ID: 11353064  
TI Pulmonary epithelial-myoepithelial tumor of unproven **malignant** potential: report of a case and review of the literature.  
AU Pelosi G; Frangola F; Maffini F; Solli P; Cavalion A; Viale G  
CS Department of Pathology and Laboratory Medicine, European Institute of Oncology and University of Milan School of Medicine, Italy..  
SO MODERN PATHOLOGY. (2001 May) 14 (5) 521-6. Ref: 23  
Journal code: PTH; 8806605. ISSN: 0893-3952.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS General Review; (REVIEW)  
EM 200107  
ED Entered STN: 20010709  
Last Updated on STN: 20010709  
Entered Medline: 20010705

L7 ANSWER 6 OF 39 MEDLINE  
AN 2000463853 MEDLINE  
DN 20468998 Pubmed ID: 11016683  
TI The p53 molecule and its prognostic role in squamous cell **carcinomas** of the head and neck.  
AU Nylander K; Dabelsteen E; Hall P A  
CS Department of Medical Biosciences/Pathology, Umea University, Sweden.  
SO JOURNAL OF ORAL PATHOLOGY AND MEDICINE. (2000 Oct) 29 (9) 413-25. Ref: 91  
Journal code: JRF. ISSN: 0304-2512.  
CY Denmark  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Dental Journals; Priority Journals  
EM 200101  
ED Entered STN: 20010322  
Last Updated on STN: 20010322  
Entered Medline: 20010111

L7 ANSWER 7 OF 39 MEDLINE  
AN 2000406720 MEDLINE  
DN 20374132 Pubmed ID: 10918601  
TI High level expression of deltaW-**p63**: a mechanism for the

inactivation of p53 in undifferentiated nasopharyngeal carcinoma (NPC)?

Crook T; Nicholls J M; Brooks L; O'Nions J; Allday M J  
 Ludwig Institute for Cancer Research and Section of Virology and Cell Biology, Imperial College of Science, Technology and Medicine, London, UK.  
 ONCOGENE, (2000 Jul 13) 19 (30) 3439-44.  
 Journal code: ONC; 8711562. ISSN: 0950-9232.

ENGLAND: United Kingdom  
 CY Journal; Article; (JOURNAL ARTICLE)  
 DT English  
 FS Priority Journals  
 EM 200008  
 ED Entered STN: 20000901  
 Last Updated on STN: 20000901  
 Entered Medline: 20000316

ANSWER 9 OF 39 MEDLINE  
 AN 2000062989  
 DN 20062989  
 TI Published ID: 10564758  
 Association of p63 with proliferative potential in normal and neoplastic human keratinocytes.  
 Parsa R; Yang A; McKeon F; Green H  
 Department of Cell Biology, Harvard Medical School, Boston, Massachusetts 02115, USA.  
 JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1999 Dec) 113 (6) 1099-105.  
 Journal code: IHZ; 0426720. ISSN: 0022-202X.

United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200001  
 ED Entered STN: 20000124  
 Last Updated on STN: 20000124  
 Entered Medline: 20000113

ANSWER 9 OF 39 CANCERLIT  
 AN 2000468898  
 DN 20468898  
 TI The p53 molecule and its prognostic role in squamous cell carcinomas of the head and neck.  
 Nylander K; Dabelsteen E; Hall P A  
 Department of Medical Biosciences/Pathology, Umea University, Sweden.  
 JOURNAL OF ORAL PATHOLOGY AND MEDICINE, (2000). Vol. 29, No. 5, pp. 413-25.  
 Journal code: JRF. ISSN: 0904-2512.

Journal; Article; (JOURNAL ARTICLE)  
 DT General Review; (REVIEW)  
 FS MEDL; L; Dental Journals; I  
 LA English  
 OS MEDLINE 20468898  
 EM 200102

ANSWER 10 OF 39 CANCERLIT  
 AN 2000374132  
 DN 20374132  
 TI High level expression of deltan-p63: a mechanism for the inactivation of p53 in undifferentiated nasopharyngeal carcinoma (NPC)?  
 Crook T; Nicholls J M; Brooks L; O'Nions J; Allday M J  
 Ludwig Institute for Cancer Research and Section of Virology and Cell Biology, Imperial College of Science, Technology and Medicine, London, UK.  
 ONCOGENE, (2000). Vol. 19, No. 30, pp. 3439-44.  
 Journal code: ONC. ISSN: 0950-9232.

Journal; Article; (JOURNAL ARTICLE)  
 FS MEDL; L; Priority Journals; Cancer Journals  
 LA English  
 OS MEDLINE 20374132  
 EM 200009

ANSWER 11 OF 39 CANCERLIT  
 AN 2000062989  
 DN 20062989  
 TI Association of p63 with proliferative potential in normal and neoplastic human keratinocytes.  
 Parsa R; Yang A; McKeon F; Green H  
 Department of Cell Biology, Harvard Medical School, Boston, Massachusetts 02115, USA.  
 JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1999). Vol. 113, No. 6, pp. 1099-105.  
 Journal code: IHZ. ISSN: 0022-202X.

Journal; Article; (JOURNAL ARTICLE)  
 DT MEDL; L; Priority Journals; Cancer Journals  
 FS English  
 LA English  
 OS MEDLINE 20062989  
 EM 200002

ANSWER 12 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 2002033960  
 TI Plasmablastic lymphoma: An HIV-associated entity with primary oral manifestations.  
 Flaitz C.M.; Nichols C.M.; Walling D.M.; Hicks M.J.  
 C.M. Flaitz, Department of Stomatology, Univ. Texas-Houston Hlth. Sci. Ctr., Dental Branch, 6516 John Freeman Avenue, Houston, TX 77030, United States. cmflaitz@mail.uh.tmc.edu  
 Oral Oncology, (2002) 38/1 (96-102).  
 Refs: 30  
 ISSN: 1368-8375 CODEN: EJCCER  
 S 1368-8375(01)00018-5

United Kingdom  
 CY United Kingdom  
 DT Journal; Article  
 FS 004 Microbiology  
 011 Otorhinolaryngology  
 016 Cancer  
 026 Immunology, Serology and Transplantation  
 037 Drug Literature Index  
 LA English  
 SL English

ANSWER 13 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 2001422538  
 TI Value of p63 and cytokeratin 5/6 as immunohistochemical markers for the differential diagnosis of poorly differentiated and undifferentiated carcinomas.  
 Kaufmann O.; Fietze E.; Mengs J.; Dietel M.  
 Dr. E. Fietze, Institute of Pathology, Charite University Hospital, Schumannstr. 20/21, 10117 Berlin, Germany  
 American Journal of Clinical Pathology, (2001) 116/6 (823-830).  
 Refs: 31  
 ISSN: 0002-9173 CODEN: AJCPAI

United States  
 CY United States  
 DT Journal; Article  
 FS 005 General Pathology and Pathological Anatomy  
 016 Cancer  
 026 Immunology, Serology and Transplantation  
 LA English  
 SL English

- L7 ANSWER 14 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 200137840 EMBASE  
TI Expression of the p53 homologue **p63**.alpha. and .delta.Np63.alpha. in the neoplastic sequence of Barrett's oesophagus: Correlation with morphology and p53 protein.  
AU Hall P.A.; Woodman A.C.; Campbell S.J.; Shepherd N.A.  
CS Prof. N.A. Shepherd, Department of Histopathology, Gloucestershire Royal Hospital, Great Western Road, Gloucester GL1 3NN, United Kingdom.  
neil.shepherd@gloucs-tr.swest.nhs.uk ;  
Gut. (2001) 49/5 (618-623).  
SO Refs: 44  
ISSN: 0017-5749 CODEN: GUTTAJ  
CY United Kingdom  
DT Journal; Article  
FS 005 General Pathology and Pathological Anatomy  
LA English  
SL English
- L7 ANSWER 15 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 2001338244 EMBASE  
TI Expression of the p53 homologues **p63** and p73 in multiple simultaneous gastric cancer.  
AU Tamnapfel A.; Schmelzer S.; Benicke M.; Klimpfinger M.; Kohlhaw K.; Mossner J.; Engeland K.; Witekkind C.  
CS A. Tamnapfel, Institute of Pathology, University of Leipzig, Liebigstrasse 26, 04103 Leipzig, Germany. tamnapfel@medizin.uni-leipzig.de  
Journal of Pathology, (2001) 195/2 (163-170).  
SO Refs: 30  
ISSN: 0022-3417 CODEN: JPTLAS  
CY United Kingdom  
DT Journal; Article  
FS 005 General Pathology and Pathological Anatomy  
016 Cancer  
029 Clinical Biochemistry  
048 Gastroenterology  
LA English  
SL English
- L7 ANSWER 16 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 2001264750 EMBASE  
TI **p63**, a p53 homologue, is a selective nuclear marker of myoepithelial cells of the human breast.  
AU Barbareschi M.; Peciarini L.; Cangli M.G.; Macri E.; Rizzo A.; Viale G.; Doglioni C.  
CS Dr. C. Doglioni, Anatomia Patologica Ospedale, 32100 Belluno, Italy. claudio.doglioni@unibs.belluno.it  
American Journal of Surgical Pathology, (2001) 25/8 (1054-1060).  
SO Refs: 34  
ISSN: 0147-5185 CODEN: AJSPDX  
CY United States  
DT Journal; Article  
FS 005 General Pathology and Pathological Anatomy  
016 Cancer  
LA English  
SL English
- L7 ANSWER 17 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 2001195292 EMBASE  
TI Histologic and immunophenotypic classification of cervical **carcinomas** by expression of the p53 homologue **p63**: A study of 250 cases.  
AU Wang T.-Y.; Chen B.-F.; Yang Y.-C.; Chen H.; Wang Y.; Cviko A.; Quade B.J.; Sun D.; Yang A.; McKeon F.D.; Crum C.P.  
Dr. C.P. Crum, Department of Pathology, Brigham and Women's Hospital, 75 Francis St., Boston, MA 02115, United States  
Human Pathology, (2001) 32/5 (479-486).  
SO Refs: 33  
ISSN: 0046-8177 CODEN: HPCOAA  
CY United States  
DT Journal; Article  
FS 005 General Pathology and Pathological Anatomy  
LA English  
SL English
- L7 ANSWER 18 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 2000438051 EMBASE  
TI **p63** is a prostate basal cell marker and is required for prostate development.  
AU Signoretti S.; Waltey D.; Dilks J.; Isaac B.; Lin D.; Garraway L.; Yang A.; Montironi R.; McKeon F.; Loda M.  
CS M. Loda, Department of Adult Oncology, Dana Farber Cancer Institute, Dana 740B, 44 Binney St., Boston, MA 02215, United States  
American Journal of Pathology, (2000) 157/6 (1769-1775).  
SO Refs: 27  
ISSN: 0002-9440 CODEN: AJPA44  
CY United States  
DT Journal; Article  
FS 005 General Pathology and Pathological Anatomy  
016 Cancer  
026 Urology and Nephrology  
029 Clinical Biochemistry  
LA English  
SL English
- L7 ANSWER 19 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 2000360999 EMBASE  
TI Stratified mucin-producing intraepithelial lesions of the cervix: Adenosquamous or columnar cell neoplasia?  
AU Park J.-Y.; Sun D.; Quade B.J.; Flynn C.; Sheets E.E.; Yang A.; McKeon F.; Crum C.P.  
CS Dr. C.P. Crum, Department of Pathology, Brigham and Women's Hospital, 75 Francis St., Boston, MA 02115, United States. ccrum@partners.org  
American Journal of Surgical Pathology, (2000) 24/10 (1414-1419).  
SO Refs: 20  
ISSN: 0147-5185 CODEN: AJSPDX  
CY United States  
DT Journal; Article  
FS 005 General Pathology and Pathological Anatomy  
010 Obstetrics and Gynecology  
016 Cancer  
LA English  
SL English
- L7 ANSWER 20 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 2000260441 EMBASE  
TI High level expression of .DELTA.N-**p63**: A mechanism for the inactivation of p53 in undifferentiated nasopharyngeal **carcinoma** (NPC)?  
AU Crook T.; Nicholls J.M.; Brooks L.; O'Nions J.; Allday M.J.; M.J. Allday, Ludwig Institute for Cancer Research, Imperial College Sci. Technol. Med., St. Mary's Campus, Norfolk Place, London W2 1PG, United Kingdom  
Oncogene, (13 Jul 2000) 19/30 (3439-3444).  
SO Refs: 42  
ISSN: 0950-9232 CODEN: ONCNE5  
CY United Kingdom  
DT Journal; (Short Survey)

- FS 011 Otorhinolaryngology  
016 Cancer  
022 Human Genetics  
LA English  
SL English
- L7 ANSWER 21 OF 39 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 2000244320 EMBASE  
TI evolution with cell cycle correlates.  
AU Cviko A.; Bilem B.; Graner S.R.; Rinto A.P.; Wang T.-Y.; Yang Y.-C.; Chen B.-F.; Yang A.; Sheets E.E.; McKeon F.D.; Crum C.P.  
CS Dr. C.P. Crum, Department of Pathology, Brigham and Women's Hospital, 75 Francis St., Boston, MA 02115, United States  
SO Human Pathology, (2000) 31/6 (740-744).  
SO Refs: 19  
ISSN: 0046-8177 CODEN: HPCGA4  
CY United States  
DT Journal; Article  
FS 005 General Pathology and Pathological Anatomy  
010 Obstetrics and Gynecology  
016 Cancer  
LA English  
SL English
- L7 ANSWER 22 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2002:74400 BIOSIS  
DN PREV20020074400  
TI Value of **p63** and cyokeratin 5/6 as immunohistochemical markers for the differential **diagnosis** of poorly differentiated and undifferentiated **carcinomas**.  
AU Kaufman, Olat; Fietze, Ellen (1); Mengs, Joerg; Dietel, Manfred  
CS (1) Institute of Pathology, Charite University Hospital, Schumannstr. 20/21, 10117, Berlin Germany  
SO American Journal of Clinical Pathology, (December, 2001) Vol. 116, No. 6, pp. 823-830. <http://www.ajcp.com>. print.  
ISSN: 0002-9173.  
DT Article  
LA English  
SL English
- L7 ANSWER 23 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:544455 BIOSIS  
DN PREV200100544455  
TI Expression of the p53 homologue p63alpha and DELTAp63alpha in the neoplastic sequence of Barrett's oesophagus: Correlation with morphology and p53 protein.  
AU Hall, P. A.; Woodman, A. C.; Campbell, S. J.; Shepherd, N. A. (1)  
CS (1) Department of Histopathology, Gloucestershire Royal Hospital, Great Western Road, Gloucester, GL1 3NN: neil.shepherd@gloucs-tri.swest.nhs.uk UK  
SO Gut, (November, 2001) Vol. 45, No. 5, pp. 618-623. print.  
ISSN: 0017-5745.  
DT Article  
LA English  
SL English
- L7 ANSWER 24 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:407666 BIOSIS  
DN PREV200100407666  
TI **p63**, a p53 homologue, is a selective nuclear marker of myoepithelial cells of the human breast.  
AU Barbareschi, Mattia; Peccherini, Lorenza; Gangi, M. Giulia; Macri, Ettore; Rizzo, Aroldo; Viale, Giuseppe; Doglioni, Claudio (1)  
CS (1) Anatomia Patologica Ospedale, 33100, Belluno: claudio.doglioni@univis.belluno.it Italy
- SO American Journal of Surgical Pathology, (August, 2001) Vol. 25, No. 8, pp. 1054-1060. print.  
ISSN: 0147-5185.  
DT Article  
LA English  
SL English
- L7 ANSWER 25 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:376511 BIOSIS  
DN PREV200100376511  
TI Histologic and immunophenotypic classification of cervical **carcinomas** by expression of the p53 homologue **p63**: A study of 250 cases.  
AU Wang, Tao-Yeuan; Chen, Be-Fong; Yang, Yuh-Cheng; Chen, Hao; Wang, Yunmei; Cviko, Aida; Quade, Bradley J.; Sun, Degin; Yang, Annie; McKeon, Frank D.; Crum, Christopher P. (1)  
CS (1) Department of Pathology, Brigham and Women's Hospital, 75 Francis St, Boston, MA, 02115 USA  
SO Human Pathology, (May, 2001) Vol. 32, No. 5, pp. 479-486. print.  
ISSN: 0046-8177.  
DT Article  
LA English  
SL English
- L7 ANSWER 26 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:133636 BIOSIS  
DN PREV200100133636  
TI Immunohistochemical study of expression of p53-homolog **p63**, in pulmonary **neoplasms**.  
AU Kaufman, D. (1); Wang, B. Y. (1); Gil, J. (1); Gan, L. (1); Kohz, D. S.; Birstein, D. E.  
CS (1) Department of Pathology, Mount Sinai School of Medicine, New York, NY USA  
SO Laboratory Investigation, (January, 2001) Vol. 81, No. 1, pp. 221A. print.  
Meeting Info.: Annual Meeting of the United States and Canadian Academy of Pathology Atlanta, Georgia, USA March 03-09, 2001  
ISSN: 0023-6837.  
DT Conference  
LA English  
SL English
- L7 ANSWER 27 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:118902 BIOSIS  
DN PREV200100118902  
TI Expression of **p63** protein in subtypes of transitional cell and renal cell **carcinomas**.  
AU Black, C. C. (1); Unger, P. D. (1); Gans, W. H.; Droller, M. J.; Kohz, D. S. (1); Gan, L. (1); Birstein, D. E. (1)  
CS (1) Department of Pathology and Rutenberg Cancer Center, Mount Sinai School of Medicine, New York, NY USA  
SO Laboratory Investigation, (January, 2001) Vol. 81, No. 1, pp. 102A. print.  
Meeting Info.: Annual Meeting of the United States and Canadian Academy of Pathology Atlanta, Georgia, USA March 03-09, 2001  
ISSN: 0023-6837.  
DT Conference  
LA English  
SL English
- L7 ANSWER 28 OF 39 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:117450 BIOSIS  
DN PREV200100117450  
TI Expression of **p63** in papillary thyroid **carcinoma** and in Hashimoto's thyroiditis: A common link.  
AU Ewari, Michelle (1); Unger, Pamela (1); Gan, Li (1); Kohz, D. Stave;

Burstein, David E.  
 (1) Department of Pathology, Mount Sinai School of Medicine, New York, NY  
 USA.

SO Laboratory Investigation, (January, 2001) Vol. 81, No. 1, pp. 75a, print.  
 Meeting Info.: Annual Meeting of the United States and Canadian Academy of  
 Pathology Atlanta, Georgia, USA March 03-09, 2001  
 ISSN: 0023-6837.

DT Conference  
 LA English  
 SL English

L7 ANSWER 29 OF 39 EIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 AN 2000:471721 BIOSIS  
 DN PREV200000471721  
 TI Stratifed mucin-producing intraepithelial lesions of the cervix:  
 Adenosquamous or columnar cell neoplasia.

AU Park, Jeong-Jae; Sun, Deqin; Quade, Bradley J.; Flynn, Cynthia; Sheets,  
 Ellen E.; Yang, Annie; McKee, Frank; Cium, Christopher P. (1)  
 CS (1) Department of Pathology, Brigham and Women's Hospital, 75 Francis St.,  
 Boston, MA, 02115 USA  
 SO American Journal of Surgical Pathology, (October, 2000) Vol. 24, No. 10,  
 pp. 1414-1419. print.  
 ISSN: 0147-5195.

DT Article  
 LA English  
 SL English

L7 ANSWER 30 OF 39 EIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 AN 2000:374796 BIOSIS  
 DN PREV200000374796  
 TI High level expression of DELTA-N-p53: A mechanism for the  
 inactivation of p53 in undifferentiated nasopharyngeal carcinoma  
 (NPC).

AU Crook, Tim; Nicholls, John M.; Brooks, Louise; O'Nions, Jenny; Allday,  
 Martin J. (1)  
 CS (1) Section of Virology and Cell Biology, Imperial College of Science,  
 Technology and Medicine, Ludwig Institute for Cancer Research, Norfolk  
 Place, St Mary's Campus, London, W2 1PG UK  
 SO Oncogene, (13 July, 2000) Vol. 19, No. 30, pp. 3439-3444. print.  
 ISSN: 0950-9232.

DT Article  
 LA English  
 SL English

L7 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2002 ACS  
 AN 2001:368455 CAPLUS  
 DN 136:148755  
 TI Classification of human lung carcinomas by mRNA expression  
 profiling reveals distinct adenocarcinoma subclasses

AU Bhattacharyya, Arindam; Richards, William G.; Stanton, Jane; Li, Cheng;  
 Monti, Stefano; Vass, Priya; Ladd, Christine; Beneshili, Javad; Bueno,  
 Raphael; Gillette, Michael; Loda, Massimo; Weber, Griffin; Mark, Eugene  
 J.; Lander, Eric S.; Wong, Ming; Johnson, Bruce E.; Golub, Todd R.;  
 Sugarbaker, David J.; Meyerson, Matthew  
 CS Department of Adult Oncology, Dana-Farber Cancer Institute, Harvard  
 Medical School, Boston, MA, 02115, USA  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (2001), 98(24), 13750-13755  
 CODEN: PNASAF, ISSN: 0027-8424

PE National Academy of Sciences  
 DT Journal  
 LA English  
 RE CNT 34

THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2002 ACS  
 AN 2000:557977 CAPLUS  
 DN 133:250512  
 TI High level expression of DELTA-N-p53: A mechanism for the  
 inactivation of p53 in undifferentiated nasopharyngeal carcinoma  
 (NPC)?

AU Crook, Tim; Nicholls, John M.; Brooks, Louise; O'Nions, Jenny; Allday,  
 Martin J.  
 CS Ludwig Institute for Cancer Research and Section of Virology and Cell  
 Biology, Imperial College of Science, Technology and Medicine, London, W2  
 1PG, UK  
 SO Oncogene (2000), 19(30), 3439-3444  
 CODEN: ONCNEB, ISSN: 0950-9232

PB Nature Publishing Group  
 DT Journal  
 LA English  
 RE CNT 42

THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2002 ACS  
 AN 1999:640874 CAPLUS  
 DN 131:270497  
 TI A new short member of the p53 family (p40) acts as an oncogene

IN Trink, Barry; Jen, Jin; Ratovitski, Edward; Sidransky, David  
 PA The Johns Hopkins University, USA  
 SO PCT Int. Appl., 63 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English  
 FA CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9950287	A2	19991007	WO 1999-056657	19990326
W:				
AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GR, GU, HD, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, MY, NZ, OL, OM, OS, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CG, CI, CM, GA, GN, GM, ML, MR, NE, SN, TD, TG				
AU 5932086	A1	19991018	AU 1999-32086	19990326
PRAI US 1998-79736P	A2	19980327		
WO 1999-056657	W	19990326		

L7 ANSWER 34 OF 39 USPATFULL  
 AN 2002:78410 USPATFULL  
 TI p53 binding areas

IN Krammer, Peter; Heidelberg, GERMANY, FEDERAL REPUBLIC OF  
 Muller-Schilling, Martina; Heidelberg, GERMANY, FEDERAL REPUBLIC OF  
 Oren, Moshe; Rehovot, ISRAEL  
 PA Deutsches Krebsforschungszentrum Stiftung Des Offentlichen Rechts  
 (non-U.S. corporation)  
 PI US 2002042064 A1 20020411  
 AI US 2001-834291 A1 20010412 (9)  
 PRAI WO 1999-DE3343 19991018  
 DE 1998-DE19847779 19991015

DT Utility  
 FS APPLICATION  
 LN CNT 601

INCL: 435/006, 000  
 INCL: 435/320, 100; 435/007, 230; 536/023, 500





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(FILE 'HOME' ENTERED AT 10:35:21 ON 11 APR 2002)
FILE 'MEDLINE, CAMBRIDGE, EMBASE, BIOSIS, CAPLUS, USPATFULL' ENTERED AT
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L1 4008 S P63 OR P63 GENE
L2 3824815 S CANCER? OR MALIGNANT? OR NEOPLASM?
L3 325 S L1 AND L2
L4 1304621 S CARCINOMA?
L5 128 S L4 AND L3
L6 4957279 S DIAGNOS?
L7 39 S L5 AND L6
L8 2114047 S ANTIBOD?
L9 273 S L1 AND L8
L10 160 S L9 NOT PY=>1999
L11 4 S L10 AND L4

=> s 14 and 11
L12 171 L4 AND L1

=> s 112 not PY=>1999
L13 11 L12 NOT PY=>1999

=> d 113 1-11
L13 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:532148 BIOSIS
DN PREV1994:47545148
TI Mutation of p53 gene in human cancers of the esophagus and gastric cardia.
AU Li, Huan-Chuan, Lu, Shi-Xin
CS Cancer Inst., Chinese Academy Med. Sci. Peking Union Med. College, Beijing
100021 China
SO Zhonghua Zhongguo Zazhi, (1994) Vol. 16, No. 3, pp. 172-176.
ISSN: 0253-3758.
DT Article
LA Chinese
SL Chinese, English

L13 ANSWER 2 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1994:451861 BIOSIS
DN PREV1994:47464861
TI p53 Protein accumulation in lung carcinomas of patients exposed
to asbestos and tobacco smoke.
AU Nuorteva, Kyosti; Makitalo, Riitta; Huhti, Esko; Kamei, Dai; Vahakangas,
Kirsti; Bloigu, Risto; Solmi, Ylermi; Paakko, Paavo (1)
CS (1) Dep. Pathol., Univ. Oulu, Kajaanintie 52D, 90220 Oulu Finland
SO American Journal of Respiratory and Critical Care Medicine, (1994) Vol.
150, No. 2, pp. 528-533.
DT Article
LA English

L13 ANSWER 3 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1983:191835 BIOSIS
DN BA75:41835
TI ANTIBODIES AGAINST A SYNTHETIC PEPTIDE OF THE POLIOVIRUS REPLICASE PROTEIN
REACT WITH NATIVE VIRUS ENCODED PROTEINS AND INHIBITION OF VIRUS
SPECIFIC POLYMERASE ACTIVITIES IN-VITRO.
AU BARON M H, BALTIMORE D
CS CENTER FOR CANCER RESEARCH AND DEPARTMENT OF BIOLOGY, MASSACHUSETTS
INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS 02139.
SO J VIROL., (1982) 43 (3), 969-979.
CODEN: JOVIAH. ISSN: 0022-538X.
FS
BA: OLD
LA English

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LA English
L13 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1983:152879 BIOSIS
DN BA75:2879
TI A GENE PRODUCT OF THE MOUSE T COMPLEX WITH CHEMICAL PROPERTIES OF A CELL
SURFACE ASSOCIATED COMPONENT OF THE EXTRACELLULAR MATRIX.
AU SILVER J M; WHITE M
CS COLD SPRING HARBOR LAB., COLD SPRING HARBOR, NEW YORK 11724.
SO DEV BIOL., (1982) 91 (2), 423-430.
CODEN: DEBIAO. ISSN: 0012-1606.
FS
BA: OLD
LA English

L13 ANSWER 5 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1982:295665 BIOSIS
DN BA74:68145
TI GENOME LENGTH COPIES OF POLIOVIRION RNA ARE SYNTHESIZED IN-VITRO BY THE
POLIOVIRUS RNA DEPENDENT RNA POLYMERASE.
AU VAN KYE T A; RICKLES R J; FLANEGAN J B
CS DEP. IMMUNOL. MED. MICROBIOL., COLL. MED., UNIV. FLORIDA, GAINESVILLE,
FLA. 32610.
SO J BIOL CHEM., (1982) 257 (8), 4610-4617.
CODEN: JBCHA3. ISSN: 0021-9258.
FS
BA: OLD
LA English

L13 ANSWER 6 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1982:164605 BIOSIS
DN BA73:24589
TI RESCUE OF EMBRYONIC CELLS HOMO ZYGOS FOR A LETHAL HAPLOTYPE OF THE T-T
COMPLEX T-W-1-2
AU ABERROD H R; ARZT K; BENNETT D
CS LABORATORY OF DEVELOPMENTAL GENETICS, SLOAN-KETTERING INST. FOR CANCER
RESEARCH, NEW YORK, N.Y. 10021.
SO DEV BIOL., (1981) 86 (2), 419-425.
CODEN: DEBIAO. ISSN: 0012-1606.
FS
BA: OLD
LA English

L13 ANSWER 7 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1981:144135 BIOSIS
DN BA71:14127
TI IDENTIFICATION OF POLIOVIRUS POLY PEPTIDE P-63 AS A SOLUBLE RNA DEPENDENT
RNA POLYMERASE.
AU VAN DYKE T A; FLANEGAN J B
CS DEP. IMMUNOLOGY, MED. MICROBIOL., COLL. MED., UNIV. FLORIDA, GAINESVILLE,
FLORIDA 32610.
SO J VIROL., (1980) 35 (3), 732-740.
CODEN: JOVIAH. ISSN: 0022-538X.
FS
BA: OLD
LA English

L13 ANSWER 8 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1979:206340 BIOSIS
DN BA68:8844
TI POLIOVIRUS POLY URIDYLIC-ACID POLYMERASE AND RNA REPLICASE HAVE THE SAME
VIRAL POLY PEPTIDE.
AU FLANEGAN J B; BALTIMORE D
CS DEP. BIOL., MASS. INST. TECHNOL., CAMBRIDGE, MASS. 02139, USA.
SO J VIROL., (1979) 29 (1), 352-360.
CODEN: JOVIAH. ISSN: 0022-538X.
FS
BA: OLD
LA English

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L13 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS  
AN 1982:453050 CAPLUS  
DN 57:53050  
TI A gene product of the mduse t complex with chemical properties of a cell  
TI surface-associated component of the extracellular matrix  
CU Silver, Lee M.; White, Mary  
AS Cold Spring Harbor Lab., Cold Spring Harbor, NY, 11724, USA  
SO Dev. Biol. (1982), 91(2), 423-30  
CODEN: DEB140; ISSN: 0012-1606  
DT Journal  
LA English

L13 ANSWER 10 OF 11 USPATFULL  
AN 56:5704 USPATFULL  
TI Nucleotide sequences useful as type specific probes, PCR primers and LCR probes for the amplification and detection of human papilloma virus, and related kits and methods  
IN Bouna, Stanley R., Mundelein, IL, United States  
Joseph, Jeffrey L., Cherry Hill, NJ, United States  
Marshall, Ronald L., Zion, IL, United States  
Laffler, Thomas G., Libertyville, IL, United States  
PA Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)  
PI US 5484659 19960116  
FI US 1994-316253 19940930 (8)  
RI Continuation of Ser. No. US 1992-965665, filed on 22 Oct 1992, now abandoned which is a continuation-in-part of Ser. No. US 1990-589948, filed on 28 Sep 1990, now abandoned And a continuation-in-part of Ser. No. US 1990-590105, filed on 28 Sep 1990, now abandoned And a continuation-in-part of Ser. No. US 1990-590253, filed on 28 Sep 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1679  
INCL INCLM: 435/005.000  
NCLM: 536/023.100; 536/023.720  
NCL NCLM: 435/005.000  
NCLM: 536/023.100; 536/023.720  
IC [6]  
ICM: C12Q001-70  
EXF ICS: C07H021-02; C07H021-04  
435/5; 435/6; 535/77; 535/78; 536/23.1; 536/23.72; 536/24.3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 11 OF 11 USPATFULL  
AN 55:5769 USPATFULL  
TI Use of IL-4 to treat solid tumors  
IN Plunkett, Marian L., Edison, NJ, United States  
Cathno, Joseph J., Lebanon, NJ, United States  
PA Schering-Plough Corporation, Kenilworth, NJ, United States (U.S. corporation)  
PI US 5382427 19950117  
FI US 1993-92414 19950304 (7)  
RI WO 9204044 19920319  
WO 1991-056126 19910503  
PCT 371 date  
19930304 PCT 102(e) date  
19930304  
R11 Continuation-in-part of Ser. No. US 1990-578968, filed on 6 Sep 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 488  
INCL INCLM: 424/095.200  
INCL: 424/085.100

NCL NCLM: 424/085.200  
NCLM: 424/085.100  
IC [6]  
ICM: A61K037-02  
ICS: C07K013-00  
EXF 424/85.1; 424/85.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L1 4008 S P63 OR P63 GENE  
L2 3824815 S CANCER? OR MALIGNANT? OR NEOPLASM?  
L3 325 S L1 AND L2  
L4 1304621 S CARCINOMA?  
L5 128 S L4 AND L3  
L6 495279 S DIAGNOS?  
L7 39 S L5 AND L6  
L8 2114047 S ANTIBOD?  
L9 273 S L1 AND L8  
L10 160 S L9 NOT PY=>1999  
L11 4 S L10 AND L4  
L12 171 S L4 AND L1  
L13 11 S L12 NOT PY=>1999  
=> s L3 not PY=>1999  
L14 24 L3 NOT PY=>1999  
=> d L14 L-24

L14 ANSWER 1 OF 24 MEDLINE  
AN 1998314849 MEDLINE  
DN 98314849 Pubmed ID: 9652741  
TI Allelic loss analysis of gamma-ray-induced mouse thymic lymphomas: two candidate tumor suppressor gene loci on chromosomes 12 and 16.  
AU Matsumoto Y; Kosugi S; Shinbo T; Chou D; Ohashi M; Wakabayashi Y; Sakai K; Okumoto M; Mori N; Aizawa S; Niwa O; Komitani R  
CS Department of Biochemistry, Niigata University School of Medicine, Asahimachi, Japan.  
SO ONCOGENE, (1998 May 28) 16 (21) 2747-54.  
CY JOURNAL CODE: ONC; 8711562. ISSN: 0950-9232.  
DT JOURNAL: United Kingdom  
LA English  
FS Priority Journals  
EM 199807  
ED Entered STN: 19980811  
Last Updated on STN: 19980811  
Entered Medline: 19980728

L14 ANSWER 2 OF 24 MEDLINE  
AN 97184593 MEDLINE  
DN 97184593 Pubmed ID: 9032395  
TI Binding sites for adeno-associated virus Rep proteins within the human genome  
AU Wenderling R S; Owens R A  
CS Laboratory of Molecular and Cellular Biology, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, Maryland 20892, USA.  
SO JOURNAL OF VIROLOGY, (1997 Mar) 71 (3) 2528-34.  
JOURNAL CODE: KCV; 0113724. ISSN: 0022-538X.

CY United States  
 DT Journal: Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-L13744; GENBANK-L22073; GENBANK-M11033; GENBANK-M60756;  
 GENBANK-L13744; GENBANK-250150  
 EM 199703  
 ED Entered STN: 19970327  
 Last updated on STN: 19970327  
 Entered Medicine: 19970319

L14 ANSWER 3 OF 24 CANCERLIT  
 AN 1998314849 CANCERLIT  
 DN 98314849  
 TI Allelic loss analysis of gamma-ray-induced mouse thymic lymphomas: two  
 AU Matsumoto Y; Kosugi S; Shibata T; Chou D; Ohashi M; Wakabayashi Y; Sakai K;  
 Okumoto M; Mori N; Aizawa S; Niwa O; Koninami R  
 CS Department of Biochemistry, Niigata University School of Medicine,  
 Asahimachi, Japan.  
 SO ONCOGENE, (1998). Vol. 16, No. 21, pp. 2747-54.  
 DT Journal code: ONC. ISSN: 0950-9232.  
 FS MED. L. Priority Journals; Cancer Journals  
 LA English  
 OS MEDLINE 98314849  
 EM 199809

L14 ANSWER 4 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 1997383551 EMBASE  
 DN 1997383551  
 TI Activation of adenomatous polyposis coli (APC) gene expression by the  
 CS DNA-alkylating agent N-methyl-N'-nitro-N-nitrosoguanidine requires p53.  
 AU Narayan S.; Jalilwal A.S.  
 CS S. Narayan, Sealy Center for Oncology/Hematology, 9,104 Medical Research  
 Bldg., University of Texas Medical Branch, 301 University Blvd.,  
 Galveston, TX 77555-1049, United States. snarayan@ms07.med.utmb.edu  
 SO Journal of Biological Chemistry, (1997) 272/45 (30615-30622).  
 Refs: 34  
 ISSN: 0021-9253 CODEN: JBCHA3

CY United States  
 DT Journal: Article  
 FS 016 Cancer  
 FS 029 Clinical Biochemistry  
 LA English  
 SL English

L14 ANSWER 5 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 197054860 EMBASE  
 DN 197054860  
 TI Binding sites for adeno-associated virus Rep proteins within the human  
 CS genome.  
 AU Wonderling R.S.; Owens R.A.  
 CS R.A. Owens, Lab. of Molecular/Cellular Biology, NIDDK, National Institutes  
 of Health, 8 Center Dr., Bethesda, MD 20892-0940, United States.  
 roland@dc8.nidk.nih.gov  
 SO Journal of Virology, (1997) 71/3 (2528-2534).  
 Refs: 56  
 ISSN: 0022-538X CODEN: JOVIMH

CY United States  
 DT Journal: Article  
 FS 004 Microbiology  
 LA English  
 SL English

L14 ANSWER 6 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 97005436 EMBASE  
 DN 1997005436  
 TI Deletions and loss of expression of p16 (INK4a) and p21 (Waf1) genes are  
 AU associated with aggressive variants of mantle cell lymphomas.  
 AU Pinyal M.; Hernandez L.; Cazorta M.; Balbin M.; Jares P.; Fernandez P.L.;  
 Montserrat E.; Cardesa A.; Lopez-Otin C.; Campo E.  
 CS Dr. E. Campo, Laboratory of Anatomic Pathology, Hospital Clinic  
 Provincial, Villarroel 170, 08036-Barcelona, Spain  
 SO Blood, (1997) 89/1 (272-280).  
 Refs: 57  
 ISSN: 0006-4971 CODEN: BLOODM

CY United States  
 DT Journal: Article  
 FS 016 Cancer  
 FS 022 Human Genetics  
 FS 025 Hematology  
 LA English  
 SL English

L14 ANSWER 7 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 96110930 EMBASE  
 DN 1996110930  
 TI Mutations of the p53 gene in the stool of patients with resectable  
 CS colorectal cancer.  
 AU Eguchi S.; Kohara N.; Komuta K.; Kanematsu T.  
 CS Department of Surgery II, Nagasaki Univ. School of Medicine, 1-7-1  
 Sakamoto, Nagasaki 852, Japan  
 SO Cancer, (1996) 77/8 SUPPL. (1707-1710).  
 ISSN: 0008-543X CODEN: CANCAR

CY United States  
 DT Journal: Conference Article  
 FS 016 Cancer  
 FS 022 Human Genetics  
 FS 043 Gastroenterology  
 LA English  
 SL English

L14 ANSWER 8 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 95236528 EMBASE  
 DN 1995236528  
 TI Alteration of c-erbB-2 and p53 product expressions in prostatic  
 CS cancer before and after the development of androgen-independency.  
 AU Ishibashi Y.; Fukuoka H.; Fujinami K.; Sekiguchi Y.; Sakanishi S.  
 CS Department of Urology, Yokohama Minami Kiyosai Hospital, Yokohama, Japan  
 SO Nishinon Journal of Urology, (1995) 57/7 (802-805).  
 ISSN: 0029-0726 CODEN: NHUJAR

CY Japan  
 DT Journal: Article  
 FS 009 Surgery  
 FS 016 Cancer  
 FS 028 Urology and Nephrology  
 LA English  
 SL English; Japanese

L14 ANSWER 9 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 94048929 EMBASE  
 DN 1994048929  
 TI Genomic loci of human mitogen-activated protein kinases.  
 AU Li L.; Wyse M.; Gonzalez F.A.; Davis R.J.  
 CS Howard Hughes Medical Institute, Biochemistry and Molecular Biology, Univ  
 Massachusetts Medical School, Worcester, MA 01605, United States  
 SO Oncogene, (1994) 9/2 (647-649).

ISSN: 0950-9232 CODEN: ONCHES  
CY United Kingdom  
DT Journal: Article  
FS 022 Human Genetics  
LA English  
SL English

L14 ANSWER 10 OF 24 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 91349918 EMBASE  
DN 1991349918  
TI Research reports. An additional homolog of the fission yeast cdc25+ gene occurs in humans and is highly expressed in some **cancer** cells.  
AU Nagata A.; Igarashi M.; Jinno S.; Suto K.; Ohayama H.  
CS Department of Molecular Genetics, Research Institute for Microbial Diseases, Osaka University, 3-1 Yamadaoka, Suita, Osaka 565, Japan  
SO ISSN: 1043-4674 CODEN: NEBIE2  
CY United States  
DT Journal: Article  
FS 016 Cancer  
DT 022 Human Genetics  
LA English  
SL English

L14 ANSWER 11 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1997:126815 BIOSIS  
DN PREV199799418628  
TI Binding sites for adeno-associated virus rep proteins within the human genome.  
AU Wonderling, Ramani S.; Owens, Roland A.; (1)  
CS (1) Lab. Molecular and Cellular Biol., NIDDK, Natl. Inst. Health, Build. 8, Room 309, 8 Center Dr., MSC 0840, Bethesda, MD 20892-0840 USA  
SO ISSN: 0022-538X.  
DT Article  
LA English

L14 ANSWER 13 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1995:268151 BIOSIS  
DN PREV199598233451  
TI p53 gene mutation and expression in naevi and melanomas.  
AU Sparrow, L. E.; Soong, P.; Dakins, R. J. S.; (1); Iacopetta, S. J.; Heenan, P. J.  
CS (1) Mol. Oncol. Lab., Dep. Pathol., Univ. Western Australia, Queen Elizabeth II Med. Cent., Nedlands 6005, W. Australia  
SO ISSN: 0960-3931.  
DT Article  
LA English

L14 ANSWER 13 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1994:532148 BIOSIS  
DN PREV199497545148  
TI Mutation of p53 gene in human **cancers** of the esophagus and gastric cardia.  
AU Li, Huan-Chuan; Lu, Shi-Xin  
CS Cancer Inst., Chinese Academy Med. Sci. Peking Union Med. College, Beijing 100021 China  
SO Zhonghua Zhongliu Zazhi, (1994) Vol. 16, No. 3, pp. 172-176.  
DT Article  
LA Chinese  
SL Chinese; English

L14 ANSWER 14 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1994:288764 BIOSIS  
DN PREV199497301764  
TI Differential expression of **p63** in human breast **cancer**.  
AU Fujig, P. (1); Allred, D. C.; Osborne, C. K.; Hauke, H.-P.; Fugih, S. A. W.  
CS (1) Univ. Tex. Health Sci. Cent., San Antonio, TX 78284 USA  
SO Proceedings of the American Association for Cancer Research Annual Meeting, (1994) Vol. 35, No. 0, pp. 165.  
TI Meeting Info.: 85th Annual Meeting of the American Association for Cancer Research San Francisco, California, USA April 10-13, 1994  
DT Conference  
LA English

L14 ANSWER 15 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1994:129565 BIOSIS  
DN PREV199497142565  
TI Genomic loci of human mitogen-activated protein kinases.  
AU Li, Li; Wysz, Mark; Gonzalez, Fernando A.; Davis, Roger J. (1)  
CS (1) Howard Hughes Med. Inst., Univ. Mass. Med. Sch., Worcester, MA 01605 USA  
SO Oncogene, (1994) Vol. 9, No. 2, pp. 647-649.  
DT Article  
LA English

L14 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:299815 CAPLUS  
DN 127:1407  
TI Molecular cloning of a novel human gene encoding a 63-kDa protein and its sublocalization within the 11q13 locus  
AU Ferlman, Boris; Darni, Naomi; Naiman, Tova; Eli, Dalja; Yeakov, Miri; Feng, Teresa L.; Yang, Shihai; Strish, Canaan; Dan  
CS Sancar, Aziz; Dolan, Iris; Canaan, Dan  
SO Department of Biochemistry, Tel Aviv University, Ramat Aviv, 69978, Israel  
DT Article  
LA Academic  
LA English

L14 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:122080 CAPLUS  
DN 126:167360  
TI Binding sites for adeno-associated virus Rep proteins within the human genome  
AU Wonderling, Ramani S.; Owens, Roland A.  
CS Laboratory Molecular and Cellular Biology, National Institute Diabetes and Digestive and Kidney Diseases, Bethesda, MD, 20892, USA  
SO J. Virol. (1997), 71(3), 2528-2534  
DT Article  
LA American Society for Microbiology  
LA English

L14 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2002 ACS  
AN 1995:903102 CAPLUS  
DN 123:357587  
TI Reactions of the Tetrachlorobis(imidazole)ruthenium(III) and Pentachloro(imidazole)ruthenium(III) Anions with Imidazole and N6,N6-Dimethyladenine  
AU Anderson, Craig; Beauchamp, Andre L.  
CS Departement de Chimie, Universite de Montreal, Montreal, PQ, H3C 3J7, Can.

SO Inorg. Chem. (1995), 34(24), 6065-73  
 CODEN: INOCAL; ISSN: 0020-1669  
 DT Journal  
 LA English

L14 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2002 ACS  
 AN 1995:688168 CAPLUS  
 DN 123:140517  
 TI Genetic alterations cooperate with v-Ha-ras to accelerate multistage  
 carcinogenesis in TG.AC transgenic mouse skin  
 AU Owens, David M.; Spalding, Judson, W.; Tennant, Raymond W.; Smart, Robert  
 C.

CS Dep. of Toxicology, North Carolina State Univ., Raleigh, NC, 27695, USA  
 SO Cancer Res. (1995), 55(14), 3171-8  
 CODEN: CNREAS; ISSN: 0008-5472  
 DT Journal  
 LA English

L14 ANSWER 20 OF 24 USPATFILL  
 AN 1998:147208 USPATFILL  
 TI Topologically segregated, encoded solid phase libraries  
 IN Lebl, Michel, Oro Valley, AZ, United States  
 Iam, Kit S., Tucson, AZ, United States  
 Salmon, Sydney E., Tucson, AZ, United States  
 Krichnak, Victor, Oro Valley, AZ, United States  
 Sepevov, Nikolai, Oro Valley, AZ, United States  
 Kocis, Peter, Oro Valley, AZ, United States  
 PA Selectide Corporation, DE, United States (U.S. corporation)  
 PI US 5840485 19981124  
 AI US 1994-248830 19940526 (9)  
 RLI Continuation-in-part of Ser. No. US 1993-68327, filed on 27 May 1993,  
 now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 4549

INCL INCLM: 435/006.000  
 INCLS: 435/007.100; 530/300.000; 530/323.000; 436/518.000; 536/023.100;  
 NCLM: 435/007.000; 535/078.000  
 NCL INCLS: 435/006.000  
 NCLM: 435/007.100; 435/DIG.022; 435/DIG.034; 435/DIG.035; 435/DIG.038;  
 NCLS: 436/518.000; 530/300.000; 530/323.000; 536/023.100

IC [6]  
 ICM: C120001-68  
 ICS: G01N033-53; C07K017-02; C07H021-04  
 EXF 435/6; 435/7.1; 436/518; 530/333; 530/334; 530/300; 530/345; 530/323;  
 530/812; 536/23.1; 536/24.1  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 21 OF 24 USPATFILL  
 AN 1998:30906 USPATFILL  
 TI Isolated nucleic acid molecule which codes for a 32 kDa protein having  
 11-cis retinol dehydrogenase activity and which associates with  
 p53, a portion of a retinol binding protein receptor  
 IN Simon, Andreas, Stockholm, Sweden  
 Hellman, Ulf, Upsala, Sweden  
 Wernestedt, Christer, Upsala, Sweden  
 Eriksson, Ulf, Stockholm, Sweden  
 PA Ludwig Institute for Cancer Research, New York, NY, United States (U.S.  
 corporation)  
 PI US 5731195 19980324  
 AI US 1995-375962 19950120 (8)  
 RLI Continuation-in-part of Ser. No. US 1994-258418, filed on 10 Jun 1994,  
 now abandoned  
 DT Utility

FS Granted  
 LN.CNT 966  
 INCL INCLM: 435/252.300  
 INCLS: 435/066.100; 435/320.100; 536/023.500; 536/024.310  
 NCLM: 435/252.300  
 NCL INCLS: 435/066.100; 435/320.100; 536/023.500; 536/024.310

IC [6]  
 ICM: C12N015-12  
 ICS: C12N005-10  
 EXF 435/69.1; 435/252.3; 435/320.1; 536/23.5; 536/24.31  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 22 OF 24 USPATFILL  
 AN 97:89071 USPATFILL  
 TI Nucleoside 5'-methylene phosphonates  
 IN Bahr, Chris, Daly City, CA, United States  
 Matteucci, Mark, Burlingame, CA, United States  
 Bischoffberger, Norbert W., San Carlos, CA, United States  
 Froehner, Brian, Belmont, CA, United States  
 PA Glend Sciences, Inc., Foster City, CA, United States (U.S. corporation)  
 PI US 5672697 19970930  
 AI US 1991-652978 19910208 (7)  
 DT Utility  
 FS Granted  
 LN.CNT 1452

INCL INCLM: 536/026.700  
 INCLS: 536/026.800  
 NCLM: 536/026.700  
 NCL INCLS: 536/026.800

IC [6]  
 ICM: C07H019-073  
 ICS: C07H019-173  
 EXF 536/27-29; 536/28.2; 536/27.81; 536/28.5; 536/28.53; 536/28.55;  
 536/26.7; 536/26.8; 514/46; 514/47-48; 514/51  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 23 OF 24 USPATFILL  
 AN 96:5704 USPATFILL  
 TI Nucleotide sequences useful as type specific probes, PCR primers and LCR  
 probes for the amplification and detection of human papilloma virus, and  
 related kits and methods  
 IN Bouma, Stanley R., Mundelein, IL, United States  
 Joseph, Jeffrey L., Cherry Hill, NJ, United States  
 Marshall, Ronald L., Zion, IL, United States  
 Lafluer, Thomas G., Libertyville, IL, United States  
 PA Abbott Laboratories, Abbott Park, IL, United States (U.S. corporation)  
 PI US 5484659 19960116  
 AI US 1994-316293 19940930 (8)  
 RLI Continuation of Ser. No. US 1992-965665, filed on 22 Oct 1992, now  
 abandoned which is a continuation-in-part of Ser. No. US 1990-589948,  
 filed on 28 Sep 1990, now abandoned And a continuation-in-part of Ser.  
 No. US 1990-590105, filed on 28 Sep 1990, now abandoned And a  
 continuation-in-part of Ser. No. US 1990-590253, filed on 28 Sep 1990,  
 now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 1679

INCL INCLM: 435/005.000  
 INCLS: 536/023.100; 536/023.720  
 NCLM: 435/005.000  
 NCL INCLS: 536/023.100; 536/023.720

IC [6]  
 ICM: C120001-70  
 ICS: C07H021-02; C07H021-04

=> d 2 all

L4 ANSWER 2 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1994:288764 BIOSIS  
DN PREV199497301764  
TI Differential expression of **p63** in human breast **cancer**.  
AU Pujol, P. (1); Allred, D. C.; Osborne, C. K.; Haurie, H.-P.; Fuqua, S. A.  
W.  
CS (1) Univ. Tex. Health Sci. Cent., San Antonio, TX 78284 USA  
SO Proceedings of the American Association for Cancer Research Annual  
Meeting, (1994) Vol. 35, No. 0, pp. 165.  
Meeting Info.: 85th Annual Meeting of the American Association for Cancer  
Research San Francisco, California, USA April 10-13, 1994  
ISSN: 0197-016X.  
DT Conference  
LA English  
CC Genetics and Cytogenetics - Human \*03508  
Reproductive System - Pathology \*16506  
Neoplasms and Neoplastic Agents - Carcinogens and Carcinogenesis \*24007  
BC Hominidae \*86215  
IT Major Concepts  
Genetics; Oncology (Human Medicine, Medical Sciences); Reproductive  
System (Reproduction)  
IT Miscellaneous Descriptors  
CARCINOGENESIS; MEETING ABSTRACT  
ORGN Super Taxa  
Hominidae: Primates, Mammalia, Vertebrata, Chordata, Animalia  
ORGN Organism Name  
Hominidae (Hominidae)  
ORGN Organism Superterms  
animals; chordates; humans; mammals; primates; vertebrates

L4 ANSWER 3 OF 7 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 96110930 EMBASE  
 DN 1996110930  
 TI Mutations of the p53 gene in the stool of patients with resectable colorectal **cancer**.  
 AU Eguchi S.; Kohara N.; Komuta K.; Kanematsu T.  
 CS Department of Surgery II, Nagasaki Univ. School of Medicine, 1-7-1 Sakamoto, Nagasaki 852, Japan  
 SO Cancer, (1996) 77/8 SUPPL. (1707-1710).  
 ISSN: 0008-543X CODEN: CANCAR  
 CY United States  
 DT Journal; Conference Article  
 FS 016 Cancer  
 022 Human Genetics  
 048 Gastroenterology  
 LA English  
 SL English  
 AB BACKGROUND. This study was undertaken to evaluate whether genetic analysis in the stool can be useful for detecting malignant tumors in the colon and rectum. We searched for the possible presence of mutations in the p53 gene in the stool of patients with resectable colorectal **cancer**. Alterations in the p53 gene are the most frequent among mutant genes related to colorectal **cancer**. METHODS. Surgically resected tumor specimens and stool samples from 25 patients with colorectal **cancer** were examined for mutations of exons 5-8 of the p53 gene by polymerase chain reaction single-strand conformation polymorphism (PCR-SSCP). Results were compared with those achieved by fecal occult blood testing. RESULTS. Mutations of the p53 gene were found in the tumor tissues in 11 of 25 patients (44%). Of these 11 patients, 7 (64%) had evidence of alterations in the **p63** gene within the stool. Of five patients who were negative for fecal occult blood testing, **p63** mutations in the stool were evident in three patients. CONCLUSIONS. This method of stool DNA analysis for tumor-specific mutations is expected to have a wide application in clinical screening for colorectal **cancer**.  
 CT Medical Descriptors:  
 \*colorectal cancer: DI, diagnosis  
 \*colorectal cancer: SU, surgery  
 \*feces  
 \*gene  
 adult  
 aged  
 clinical article  
 conference paper  
 female  
 gene mutation  
 human  
 human tissue  
 male  
 polymerase chain reaction  
 priority journal  
 single strand conformation polymorphism  
 spectrophotometry  
 Drug Descriptors:  
 \*dna: EC, endogenous compound  
 \*protein p53: EC, endogenous compound  
 RN (dna) 9007-49-2

=> d 4 all

L4 ANSWER 4 OF 7 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
AN 95236528 EMBASE  
DN 1995236528  
TI Alteration of c-erbB-2 and p53 product expressions in prostatic  
**cancer** before and after the development of androgen-independency.  
AU Ishibashi Y.; Fukuoka H.; Fujinami K.; Sekiguchi Y.; Sakanishi S.  
CS Department of Urology, Yokohama Minami Kyosai Hospital, Yokohama, Japan  
SO Nishinihon Journal of Urology, (1995) 57/7 (802-805).  
ISSN: 0029-0726 CODEN: NHJUAR  
CY Japan  
DT Journal; Article  
FS 009 Surgery  
016 Cancer  
028 Urology and Nephrology  
LA English  
SL English; Japanese  
AB We examined whether there is any alteration of c-erbB-2 and p53 products  
in prostatic **cancer** specimens from the same patient before  
treatment and after reactivation. No staining was found for the c-erbB-2  
product in any specimens taken before treatment and after reactivation  
from 9 patients. As for the p53 product, however, 2 specimens showed  
positive staining after reactivation, although all 9 specimens had been  
negative before treatment. However, the positive rate was only 22.2%  
(2/9). The median of intervals of these 2 cases between the beginning of  
reactivation and post reactivation biopsy was twice as long as that of the  
remaining 7 cases with unchanged negative staining. This fact suggests  
that these 2 patients were much closer to being at a late stage at the  
time of post-reactivation biopsy. Our result is consistent with reports  
that **p63** is correlated with the later stage of progression in  
prostatic **cancer**.  
CT Medical Descriptors:  
\*prostate cancer: DI, diagnosis  
adult  
aged  
article  
clinical article  
gene expression  
human  
male  
oncogene  
prostate biopsy  
protein determination  
transurethral resection  
Drug Descriptors:  
\*oncoprotein: EC, endogenous compound  
\*protein p53: EC, endogenous compound



=> d 1, 2, 4, 7 all

L23 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1997:65556 BIOSIS  
DN PREV199799364759  
TI Tumor suppressor gene alteration in adult acute lymphoblastic leukemia (ALL). Analysis of retinoblastoma (Rb) and **p53** gene expression in lymphoblasts of patients with de novo, relapsed, or refractory ALL treated in Southwest Oncology Group studies.  
AU Tsai, T.; Davalath, S.; Rankin, C.; Radich, J. P.; Head, D.; Appelbaum, F. R.; Boldt, D. H. (1)  
CS (1) Med. Hematology, Univ. Texas Health Science Cent., 7703 Floyd Curl Drive, San Antonio, TX 78284-7880 USA  
SO Leukemia (Basingstoke), (1996) Vol. 10, No. 12, pp. 1901-1910. ISSN: 0887-6924.  
DT Article  
LA English  
AB To examine the impact of inactivation of tumor suppressor genes on outcome in adult ALL, we compared two groups of patients registered to SWOG treatment protocols for loss of the Rb gene product and **p53** overexpression: (1) 89 patients with de novo ALL, and (2) 26 patients with relapsed/refractory ALL. The groups were comparable with respect to age, sex, and race. Cell lysates (gtoreq 80% blasts) were analyzed by immunoblotting which enabled detection of Rb or **p53** proteins in as little as 1 mu-g of lysate. Loss of Rb expression (pRbneg) was found in 54/85 (64%) de novo and 11/19 (58%) relapsed patients (P = 0.79). Overexpression of **p53** (p53abn), indicative of **p63** point **mutations**, was found in 16/75 (21%) de novo and 8/19 (42%) relapsed patients (P = 0.08). Using a nonisotopic RNase cleavage assay, **p53** point **mutations** in exons 5-9 were confirmed in 14/23 (61%) p53abn specimens. For the de novo ALL group, patients with normal Rb protein had higher WBC and higher peripheral blast and lymphocyte counts. Otherwise neither abnormal Rb or **p53** expression correlated with any of a large panel of clinical and laboratory variables including FAB class, blast lineage, expression of myeloid antigens or CD34, and presence of the Ph1 chromosome or BCR-ABL. Analyses of treatment outcomes demonstrated no significant impact of Rb or **p53** status alone on CR rates, relapse-free or overall survival. An identical percentage (11%) of both de novo and relapsed/refractory patients had concurrent abnormalities of both Rb and **p53** expression (pRbneg/p53abn). The survival curve of these patients suggests an increased rate of early death, but the number of patients in this group was small. Summarizing, (1) loss of Rb expression is common in adult ALL; (2) overexpression of **p53** may be more frequent in relapsed/refractory than de novo adult ALL; and (3) although Rb or **p53** alteration alone are not strong Independent predictors of outcome, their concurrent expression may predict a poor response to therapy.  
CC Genetics and Cytogenetics - Human \*03508  
Pathology, General and Miscellaneous - Therapy \*12512  
Blood, Blood-Forming Organs and Body Fluids - Blood, Lymphatic and Reticuloendothelial Pathologies \*15006  
Blood, Blood-Forming Organs and Body Fluids - Lymphatic Tissue and Reticuloendothelial System \*15008  
Neoplasms and Neoplastic Agents - Pathology; Clinical Aspects; Systemic Effects \*24004  
Neoplasms and Neoplastic Agents - Biochemistry \*24006  
Neoplasms and Neoplastic Agents - Therapeutic Agents; Therapy \*24008  
Neoplasms and Neoplastic Agents - Blood and Reticuloendothelial Neoplasms \*24010  
BC Hominidae \*86215  
IT Major Concepts  
Blood and Lymphatics (Transport and Circulation); Genetics; Hematology (Human Medicine, Medical Sciences); Oncology (Human Medicine, Medical

Sciences); Pathology

IT Miscellaneous Descriptors  
ADULT ACUTE LYMPHOBLASTIC LEUKEMIA; BLOOD AND LYMPHATIC DISEASE; DE  
NOVO; GENE EXPRESSION; MOLECULAR GENETICS; NEOPLASTIC DISEASE; PATIENT;  
**p53** GENE; REFRACTORY; RELAPSED; RETINOBLASTOMA GENE; SOUTHWEST  
ONCOLOGY GROUP STUDY; TREATMENT RESPONSE; TUMOR BIOLOGY; TUMOR  
SUPPRESSOR GENE ALTERATION

ORGN Super Taxa  
Hominidae: Primates, Mammalia, Vertebrata, Chordata, Animalia

ORGN Organism Name  
human (Hominidae)

ORGN Organism Superterms  
animals; chordates; humans; mammals; primates; vertebrates

L23 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1995:269151 BIOSIS  
DN PREV199598283451  
TI **p53** gene **mutation** and expression in naevi and  
melanomas.  
AU Sparrow, L. E.; Soong, R.; Dawkins, H. J. S. (1); Iacopetta, B. J.;  
Heenan, P. J.  
CS (1) Mol. Oncol. Lab., Dep. Pathol., Univ. Western Australia, Queen  
Elizabeth II Med. Cent., Nedlands 6009, W. Australia  
SO Melanoma Research, (1995) Vol. 5, No. 2, pp. 93-100.  
ISSN: 0960-8931.  
DT Article  
LA English  
AB **Mutations** of the **p53** tumour suppressor gene are common  
to many human malignancies. Although increased **p63** expression  
has been observed in cutaneous malignant melanoma, **mutations** of  
the **p53** gene appear to be infrequent. We examined 140 benign and  
malignant paraffin-embedded melanocytic lesions for **p53** protein  
expression by immunohistochemistry, using the monoclonal anti-**p53**  
antibody DO-7 and a microwave method of antigen retrieval. Fifteen naevi  
and 25 melanomas were further analysed for **p53 mutations**  
within exons 5-8 of the **p53** gene. DNA was extracted from  
paraffin sections and screening for **mutations** was carried out  
using PCR-SSCP. We demonstrated **p53** protein expression in 33% of  
naevi (17 out of 51), 35% of primary melanomas (20 out of 58), and 70% of  
metastatic lesions (15 out of 21). **p53** expression in benign  
lesions was weaker than in malignant lesions in intensity and percentage  
of cells staining. **p53** protein expression in melanomas increased  
in intensity and percentage of cells staining with tumour progression. In  
25% (three out of 12) of metastatic melanomas **p53**  
**mutations** were detected by PCR-SSCP and increased expression of  
**p53** protein was observed in these tumours. **p53** gene  
**mutations** were not detected in any benign melanocytic lesions. We  
demonstrate that antigen retrieval techniques increase **p53**  
immunoreactivity in paraffin embedded melanocytic tissues. **p53**  
protein expression in melanomas increases with depth of tumour invasion.  
melanoma, other mechanisms are proposed to influence **p53** protein  
expression in melanocytic lesions.

CC Genetics and Cytogenetics - Human \*03508  
Biochemical Studies - Nucleic Acids, Purines and Pyrimidines 10062  
Integumentary System - Pathology \*18506  
Neoplasms and Neoplastic Agents - Biochemistry \*24006  
Neoplasms and Neoplastic Agents - Carcinogens and Carcinogenesis \*24007  
Immunology and Immunochemistry - General; Methods \*34502

BC Hominidae \*86215

IT Major Concepts  
Dermatology (Human Medicine, Medical Sciences); Genetics; Oncology  
(Human Medicine, Medical Sciences)

IT Miscellaneous Descriptors  
DNA; IMMUNOHISTOCHEMISTRY; ONCOGENESIS; TUMOR SUPPRESSOR GENE

ORGN Super Taxa  
Hominidae: Primates, Mammalia, Vertebrata, Chordata, Animalia  
ORGN Organism Name  
human (Hominidae)  
ORGN Organism Superterms  
animals; chordates; humans; mammals; primates; vertebrates

L23 ANSWER 4 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 1994:451861 BIOSIS

DN PREV199497464861

TI **p53** Protein accumulation in lung carcinomas of patients exposed to asbestos and tobacco smoke.

AU Nuorva, Kyosti; Makitaro, Riitta; Huhti, Esko; Kamel, Dia; Vahakangas, Kirsi; Bloigu, Risto; Soini, Ylermi; Paakko, Paavo (1)

CS (1) Dep. Pathol., Univ. Oulu, Kajaanintie 52D, 90220 Oulu Finland

SO American Journal of Respiratory and Critical Care Medicine, (1994) Vol. 150, No. 2, pp. 528-533.

DT Article

LA English

AB Primary lung carcinomas often carry **mutations** in the **p53** tumor suppressor gene. Most of these **mutations** alter the conformation of the **p53** protein into a more stable phenotype that makes it immunohistochemically detectable. Asbestos is a carcinogen that can cause deletions in chromosomes and possibly also gene **mutations**. In this study we examined 70 primary lung carcinomas for **p53** protein accumulation using a polyclonal antihuman **p53** antibody, CM-1. Patients were interviewed about their occupational and smoking history and classified according to their anamnestic asbestos exposure. Presence of asbestos bodies (AB) was evaluated from histologic samples of peripheral nontumorous lung tissue using both 5- $\mu$ m-thick sections stained with Perls' iron and 30- $\mu$ m-thick unstained sections. Abnormal accumulation of **p63** protein was found in 36 tumors (51%), more often in patients exposed to asbestos than in patients without exposure (67% versus 40%,  $p = 0.027$ ). Significant association was also noticed between the accumulation of **p53** and the asbestos content of lung tissue: 35% of the **p53**-positive patients had more than one AB/cm<sup>2</sup> compared with 14% of **p53**-negative cases ( $p = 0.046$ ). Patients with strongly **p53**-positive tumors were heavier smokers (57.2  $\pm$  38.2 pack-years) than patients with **p53**-negative or lightly positive tumors (38.9  $\pm$  19.9 pack-years) ( $p = 0.017$ ). Our findings indicate that both asbestos exposure and heavy smoking can cause abnormal **p53** protein accumulation suggestive of mutated **p53**.

CC Microscopy Techniques - Histology and Histochemistry \*01056

Genetics and Cytogenetics - Human \*03508

Behavioral Biology - Human Behavior \*07004

Biochemical Studies - General 10060

Biochemical Studies - Nucleic Acids, Purines and Pyrimidines 10062

Biochemical Studies - Proteins, Peptides and Amino Acids 10064

Metabolism - Proteins, Peptides and Amino Acids \*13012

Metabolism - Nucleic Acids, Purines and Pyrimidines \*13014

Respiratory System - Pathology \*16006

Psychiatry - Addiction - Alcohol, Drugs, Smoking, etc. \*21004

Toxicology - General; Methods and Experimental \*22501

Toxicology - Environmental and Industrial Toxicology \*22506

Neoplasms and Neoplastic Agents - Biochemistry \*24006

Neoplasms and Neoplastic Agents - Carcinogens and Carcinogenesis \*24007

Immunology and Immunochemistry - Immunopathology, Tissue Immunology \*34508

Public Health: Environmental Health - Air, Water and Soil Pollution \*37015

BC Hominidae \*86215

IT Major Concepts

Behavior; Clinical Immunology (Human Medicine, Medical Sciences);

Genetics; Metabolism; Methods and Techniques; Oncology (Human Medicine, Medical Sciences); Pollution Assessment Control and Management; Psychiatry (Human Medicine, Medical Sciences); Pulmonary Medicine (Human Medicine, Medical Sciences); Toxicology

IT Miscellaneous Descriptors

CARCINOGEN; CHROMOSOME DELETION; GENE **MUTATION**;  
IMMUNOHISTOCHEMISTRY; PHENOTYPE; SMOKING; TUMOR; TUMOR SUPPRESSOR GENE

ORGN Super Taxa

Hominidae: Primates, Mammalia, Vertebrata, Chordata, Animalia

ORGN Organism Name

human (Hominidae)

ORGN Organism Superterms

animals; chordates; humans; mammals; primates; vertebrates

L23 ANSWER 7 OF 8 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 96110930 EMBASE

DN 1996110930

TI **Mutations** of the **p53** gene in the stool of patients  
with resectable colorectal cancer.

AU Eguchi S.; Kohara N.; Komuta K.; Kanematsu T.

CS Department of Surgery II, Nagasaki Univ. School of Medicine, 1-7-1  
Sakamoto, Nagasaki 852, Japan

SO Cancer, (1996) 77/8 SUPPL. (1707-1710).

ISSN: 0008-543X CODEN: CANCAR

CY United States

DT Journal; Conference Article

FS 016 Cancer

022 Human Genetics

048 Gastroenterology

LA English

SL English

AB BACKGROUND. This study was undertaken to evaluate whether genetic analysis in the stool can be useful for detecting malignant tumors in the colon and rectum. We searched for the possible presence of **mutations** in the **p53** gene in the stool of patients with resectable colorectal cancer. Alterations in the **p53** gene are the most frequent among mutant genes related to colorectal cancer. METHODS. Surgically resected tumor specimens and stool samples from 25 patients with colorectal cancer were examined for **mutations** of exons 5-8 of the **p53** gene by polymerase chain reaction single-strand conformation polymorphism (PCR-SSCP). Results were compared with those achieved by fecal occult blood testing. RESULTS. **Mutations** of the **p53** gene were found in the tumor tissues in 11 of 25 patients (44%). Of these 11 patients, 7 (64%) had evidence of alterations in the **p63** gene within the stool. Of five patients who were negative for fecal occult blood testing, **p63 mutations** in the stool were evident in three patients. CONCLUSIONS. This method of stool DNA analysis for tumor-specific **mutations** is expected to have a wide application in clinical screening for colorectal cancer.

CT Medical Descriptors:

\*colorectal cancer: DI, diagnosis

\*colorectal cancer: SU, surgery

\*feces

\*gene

adult

aged

clinical article

conference paper

female

**gene mutation**

human

human tissue

male

polymerase chain reaction

priority journal  
single strand conformation polymorphism  
spectrophotometry

Drug Descriptors:

\*dna: EC, endogenous compound

**\*protein p53: EC, endogenous compound**

RN (dna) 9007-49-2

=>

=> d 114 14

L14 ANSWER 14 OF 24 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1994:298764 BIOSIS  
DN PREV199497301764  
TI Differential expression of p53 in human breast cancer.  
AU Pujol, P. (1); Allred, D. C.; Osborne, C. K.; Haurley, H.-P.; Figuea, S. A.  
W.  
CS (1) Univ. Tex. Health Sci. Cent., San Antonio, TX 78284 USA  
SO Proceedings of the American Association for Cancer Research Annual  
Meeting, (1994) Vol. 35, No. 0, pp. 165.  
Meeting Info.: 35th Annual Meeting of the American Association for Cancer  
Research San Francisco, California, USA April 10-13, 1994  
ISSN: 0197-01EX.  
DT Conference  
LA English

EXF 435/5; 435/6; 935/77; 935/78; 536/23.1; 536/23.72; 536/24.3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L14 ANSWER 24 OF 24 USPATF01L

AN6 98:5769 USPATF01L  
TI Use of IL-4 to treat solid tumors  
IN Plunkett, Marian L.; Edison, NJ, United States

PA Caltino, Joseph J.; Lebanon, NJ, United States  
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EXF 424/85.1; 424/85.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.